

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
27 February 2003 (27.02.2003)

PCT

(10) International Publication Number  
**WO 03/016843 A1**

(51) International Patent Classification<sup>7</sup>: **G01J 3/453**,  
3/28, G02B 21/26

(21) International Application Number: **PCT/GB02/03811**

(22) International Filing Date: **19 August 2002 (19.08.2002)**

(25) Filing Language: **English**

(26) Publication Language: **English**

(30) Priority Data:  
0120170.6 17 August 2001 (17.08.2001) **GB**

(71) Applicant (for all designated States except US):  
**PERKINELMER INTERNATIONAL C.V. [CH/CH];**  
Breda-Rotkreuz Branch, Grundstrasse 10, CH-6343  
Rotkreuz (CH).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **HOULT, Robert,**

**Alan [GB/GB];** Stable Cottage, Finch Lane, Beaconsfield, Bucks HP9 2TL (GB). **CARTER, Ralph, Lance [GB/GB];** Corner Lodge, Chinnor Road, Towersey Thame, Oxon OX9 3QY (GB).

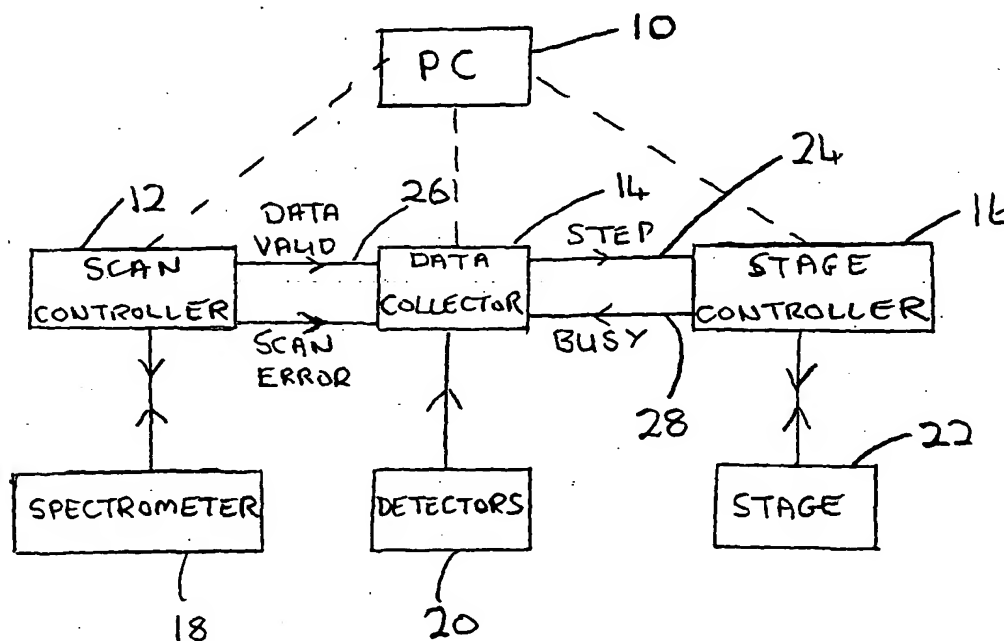
(74) Agents: **SMITH, Norman, Ian et al.;** FJ Cleveland, 40-43 Chancery Lane; London WC2A 1JQ (GB).

(81) Designated States (national): **AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.**

(84) Designated States (regional): **ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK,**

[Continued on next page]

(54) Title: **SYSTEM AND METHOD FOR SCANNING IR MICROSCOPY**



(57) Abstract: An FT-IR microscope is operated in association with a scanning spectrometer in such a way that incremental movement of the movable stage of the microscope is synchronised with the scanning spectrometer. This minimises delays in processing time.